

Title (en)  
METHOD OF PRODUCING POLYTETRAFLUOROETHYLENE SHEET, APPARATUS THEREFOR, AND APPARATUS FOR GRANULATING AND KNEADING

Title (de)  
VERFAHREN ZUM HERSTELLEN VON POLYTETRAFLUORETHYLEN FOLIE, VORRICHTUNG DAFÜR UND VORRICHTUNG ZUM GRANULIEREN UND KNETEN

Title (fr)  
PROCEDE DE PRODUCTION DE FEUILLES DE POLYTETRAFLUOROETHYLENE, APPAREIL Y SERVANT ET GRANULEUSE PETRISSEUSE

Publication  
**EP 0875349 A4 19981230 (EN)**

Application  
**EP 96941857 A 19961212**

Priority

- JP 9603639 W 19961212
- JP 32755395 A 19951215

Abstract (en)  
[origin: WO9722452A1] A method and apparatus for continuously and efficiently making a PTFE sheet, wherein a sheet of compressed powder (110) of polytetrafluoroethylene (PTFE) containing a lubricant is stretched while passing (120) between a pair of running belts, which form a gap being narrower downstream. Further, provided is an apparatus for granulating and kneading PTFE powder, which comprises a pair of plastic belts (4, 7), between which lubricated PTFE powder material is supplied. The two belts run at different speeds and at least one of the belts is vibrated laterally so that the powder may be sent obliquely to the longitudinal direction. As a result the powder is granulated under pressures between the belts.

IPC 1-7  
**B29B 11/12**; **B29B 7/52**; **B29C 43/48**; **C08J 3/20**

IPC 8 full level  
**B29B 7/52** (2006.01); **B29B 9/08** (2006.01); **B29B 9/10** (2006.01); **B29B 11/12** (2006.01); **B29C 43/22** (2006.01); **B29C 43/48** (2006.01); **B29C 55/18** (2006.01); **C08J 3/12** (2006.01)

CPC (source: EP KR)  
**B29B 7/52** (2013.01 - EP KR); **B29B 9/10** (2013.01 - EP KR); **B29B 11/12** (2013.01 - EP KR); **B29C 43/22** (2013.01 - EP KR); **B29C 43/48** (2013.01 - EP KR); **B29C 55/18** (2013.01 - EP KR); **B29C 2037/92** (2013.01 - EP KR); **B29K 2027/18** (2013.01 - EP KR); **B29K 2105/251** (2013.01 - EP KR)

Citation (search report)

- [A] US 5277729 A 19940111 - ENDO MASANORI [JP], et al
- [A] EP 0137449 A2 19850417 - NIPPON PETROCHEMICALS CO LTD [JP]
- [X] DE 4022582 A1 19920123 - NEU WERNER VERFAHRENSTECH [DE], et al
- [X] WO 8910828 A1 19891116 - ALUMINUM CO OF AMERICA [US]
- [A] US 5053180 A 19911001 - WANG PAUL T [US], et al
- [DXA] WO 9523178 A1 19950831 - DAIKIN IND LTD [JP], et al & EP 0798333 A1 19971001 - DAIKIN IND LTD [JP]
- See references of WO 9722452A1

Cited by  
CN104139596A; US10256009B2; US9881714B2; WO2004054776A1

Designated contracting state (EPC)  
BE DE FR GB IT NL

DOCDB simple family (publication)  
**WO 9722452 A1 19970626**; EP 0875349 A1 19981104; EP 0875349 A4 19981230; KR 20000064416 A 20001106; RU 2181325 C2 20020420

DOCDB simple family (application)  
**JP 9603639 W 19961212**; EP 96941857 A 19961212; KR 19980704512 A 19980615; RU 98113713 A 19961212